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NEWS 6 AUG 18 Data available for download as a PDF in RDISCLOSURE  
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NEWS 8 AUG 18 FROSTI and KOSMET enhanced with Simultaneous Left and Right  
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NEWS 9 AUG 18 Simultaneous left and right truncation added to ANABSTR  
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NEWS 11 SEP 25 INPADOC: Legal Status data to be reloaded  
NEWS 12 SEP 29 DISSABS now available on STN  
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NEWS 14 OCT 21 BIOSIS file reloaded and enhanced  
NEWS 15 OCT 28 BIOSIS file segment of TOXCENTER reloaded and enhanced  
  
NEWS EXPRESS OCTOBER 01 CURRENT WINDOWS VERSION IS V6.01a, CURRENT  
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
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FILE 'HOME' ENTERED AT 11:23:12 ON 12 NOV 2003

=> file .agbiotech  
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FILE 'CAPLUS' ENTERED AT 11:23:43 ON 12 NOV 2003

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FILE 'BIOSIS' ENTERED AT 11:23:43 ON 12 NOV 2003  
COPYRIGHT (C) 2003 BIOLOGICAL ABSTRACTS INC.(R)

=> s coliphage  
L1 5870 COLIPHAGE

=> s single stranded dna binding protein  
L2 2525 SINGLE STRANDED DNA BINDING PROTEIN

=> sll and l2  
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The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (=>).

=> s l1 and l2  
L3 66 L1 AND L2

=> s plant and l3  
L4 3 PLANT AND L3

=> d 1-3

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 2002:505317 CAPLUS  
DN 137:58576  
TI Methods and compositions for independent DNA replication in eukaryotic  
cells, by introducing a replication cassette and a replication system into  
a cell  
IN Jelesko, John; Gruissem, Wilhelm  
PA The Regents of the University of California, Office of Technology  
Transfer, USA  
SO U.S. Pat. Appl. Publ., 25 pp.  
CODEN: USXXCO  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002086428	A1	20020704	US 2001-944715	20010831
PRAI	US 2000-229686P	P	20000901		

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 1999:577007 CAPLUS  
DN 131:211772  
TI Use of **single-stranded DNA-binding**  
**proteins** of Inoviridae to increase **plant** resistance to  
single-stranded DNA viruses  
IN Padidam, Malla; Beachy, Roger N.; Fauquet, Claude M.  
PA Scripps Research Institute, USA  
SO PCT Int. Appl., 70 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9945101	A1	19990910	WO 1999-US4716	19990303

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,  
 DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG,  
 KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,  
 NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,  
 UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
 RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,  
 ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,  
 CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

AU 9928013	A1	19990920	AU 1999-28013	19990303
AU 761598	B2	20030605		
BR 9908492	A	20001205	BR 1999-8492	19990303
EP 1082409	A1	20010314	EP 1999-908632	19990303

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO

PRAI US 1998-76627P A2 19980303  
 WO 1999-US4716 W 19990303

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1999:63248 CAPLUS  
 DN 130:247781  
 TI A phage single-stranded DNA (ssDNA) binding protein complements ssDNA  
 accumulation of a geminivirus and interferes with viral movement  
 AU Padidam, Malla; Beachy, Roger N.; Fauquet, Claude M.  
 CS Division of Plant Biology, The Scripps Research Institute, International  
 Laboratory for Tropical Agricultural Biotechnology (ILTAB/ORSTOM-TSRI), La  
 Jolla, CA, 92037, USA  
 SO Journal of Virology (1999), 73(2), 1609-1616  
 CODEN: JOVIAM; ISSN: 0022-538X  
 PB American Society for Microbiology  
 DT Journal  
 LA English  
 RE.CNT 53 THERE ARE 53 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 11:23:12 ON 12 NOV 2003)

FILE 'CAPLUS, CABA, AGRICOLA, BIOSIS' ENTERED AT 11:23:43 ON 12 NOV 2003

L1 5870 S COLIPHAGE  
 L2 2525 S SINGLE STRANDED DNA BINDING PROTEIN  
 L3 66 S L1 AND L2  
 L4 3 S PLANT AND L3

=> s (wheat or maize or tobacco or tomato) and l3  
 L5 2 (WHEAT OR MAIZE OR TOBACCO OR TOMATO) AND L3

=> d 1-2

L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1999:577007 CAPLUS  
 DN 131:211772  
 TI Use of **single-stranded DNA-binding**  
**proteins** of Inoviridae to increase plant resistance to  
 single-stranded DNA viruses  
 IN Padidam, Malla; Beachy, Roger N.; Fauquet, Claude M.  
 PA Scripps Research Institute, USA  
 SO PCT Int. Appl., 70 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9945101	A1	19990910	WO 1999-US4716	19990303
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	AU 9928013	A1	19990920	AU 1999-28013	19990303
	AU 761598	B2	20030605		
	BR 9908492	A	20001205	BR 1999-8492	19990303
	EP 1082409	A1	20010314	EP 1999-908632	19990303
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
PRAI	US 1998-76627P	A2	19980303		
	WO 1999-US4716	W	19990303		
RE.CNT	6	THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT			

L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 1999:63248 CAPLUS  
DN 130:247781  
TI A phage single-stranded DNA (ssDNA) binding protein complements ssDNA accumulation of a geminivirus and interferes with viral movement  
AU Padidam, Malla; Beachy, Roger N.; Fauquet, Claude M.  
CS Division of Plant Biology, The Scripps Research Institute, International Laboratory for Tropical Agricultural Biotechnology (ILTAB/ORSTOM-TSRI), La Jolla, CA, 92037, USA  
SO Journal of Virology (1999), 73(2), 1609-1616  
CODEN: JOVIAM; ISSN: 0022-538X  
PB American Society for Microbiology  
DT Journal  
LA English  
RE.CNT 53 THERE ARE 53 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s gene 5 protein

L6 462 GENE 5 PROTEIN

=> d his

(FILE 'HOME' ENTERED AT 11:23:12 ON 12 NOV 2003)

FILE 'CAPLUS, CABA, AGRICOLA, BIOSIS' ENTERED AT 11:23:43 ON 12 NOV 2003

L1 5870 S COLIPHAGE  
L2 2525 S SINGLE STRANDED DNA BINDING PROTEIN  
L3 66 S L1 AND L2  
L4 3 S PLANT AND L3  
L5 2 S (WHEAT OR MAIZE OR TOBACCO OR TOMATO) AND L3  
L6 462 S GENE 5 PROTEIN

=> s inovirid?

L7 1938 INOVIRID?

=> s (pseudomonas phage) or (vibrio phage) or (xanthomonas phage) or (enterobacteria phage)

L8 1622 (PSEUDOMONAS PHAGE) OR (VIBRIO PHAGE) OR (XANTHOMONAS PHAGE) OR (ENTEROBACTERIA PHAGE)

=>

=> s l8 and l2  
L9 30 L8 AND L2

=> dup rem l9  
PROCESSING COMPLETED FOR L9  
L10 28 DUP REM L9 (2 DUPLICATES REMOVED)

=> s l10 and WHEAT OR MAIZE OR TOBACCO OR TOMATO  
L11 576214 L10 AND WHEAT OR MAIZE OR TOBACCO OR TOMATO

=> s l10 and ( WHEAT OR MAIZE OR TOBACCO OR TOMATO)  
L12 0 L10 AND (WHEAT OR MAIZE OR TOBACCO OR TOMATO)

=> d his

(FILE 'HOME' ENTERED AT 11:23:12 ON 12 NOV 2003)

FILE 'CAPLUS, CABA, AGRICOLA, BIOSIS' ENTERED AT 11:23:43 ON 12 NOV 2003

L1 5870 S COLIPHAGE  
L2 2525 S SINGLE STRANDED DNA BINDING PROTEIN  
L3 66 S L1 AND L2  
L4 3 S PLANT AND L3  
L5 2 S (WHEAT OR MAIZE OR TOBACCO OR TOMATO) AND L3  
L6 462 S GENE 5 PROTEIN  
L7 1938 S INOVIRID?  
L8 1622 S (PSEUDOMONAS PHAGE) OR (VIBRIO PHAGE) OR (XANTHOMONAS PHAGE)  
L9 30 S L8 AND L2  
L10 28 DUP REM L9 (2 DUPLICATES REMOVED)  
L11 576214 S L10 AND WHEAT OR MAIZE OR TOBACCO OR TOMATO  
L12 0 S L10 AND ( WHEAT OR MAIZE OR TOBACCO OR TOMATO)

=> d l10

L10 ANSWER 1 OF 28 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 2003:76962 CAPLUS  
DN 138:148634  
TI Method for nucleic acid amplification by repetitive extension of 3'  
termini in nicked DNA  
IN Van Ness, Jeffrey; Galas, David J.; Van Ness, Lori K.  
PA Keck Graduate Institute, USA  
SO PCT Int. Appl., 36 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003008624	A2	20030130	WO 2002-US22748	20020715
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2003104431	A1	20030605	US 2002-197239	20020715
PRAI	US 2001-305637P	P	20010715		
	US 2001-335685P	P	20011113		

=> d 110 2-28

L10 ANSWER 2 OF 28 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN  
AN 2003:445334 BIOSIS  
DN PREV200300445334  
TI The carboxyl-terminal domain of bacteriophage T7 **single-stranded DNA-binding protein** modulates DNA binding and interaction with T7 DNA polymerase.  
AU He, Zheng-guo; Rezende, Lisa F.; Willcox, Smaranda; Griffith, Jack D.; Richardson, Charles C. [Reprint Author]  
CS Dept. of Biological Chemistry and Molecular Pharmacology, Harvard Medical School, 240 Longwood Ave., Boston, MA, 02115, USA  
ccr@hms.harvard.edu  
SO Journal of Biological Chemistry, (August 8 2003) Vol. 278, No. 32, pp. 29538-29545. print.  
CODEN: JBCHA3. ISSN: 0021-9258.  
DT Article  
LA English  
ED Entered STN: 24 Sep 2003  
Last Updated on STN: 24 Sep 2003

L10 ANSWER 3 OF 28 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN  
AN 2003:444595 BIOSIS  
DN PREV200300444595  
TI A **single-stranded DNA-binding protein** of bacteriophage T7 defective in DNA annealing.  
AU Rezende, Lisa F.; Willcox, Smaranda; Griffith, Jack D.; Richardson, Charles C. [Reprint Author]  
CS Dept. of Biological Chemistry and Molecular Pharmacology, Harvard Medical School, 240 Longwood Ave., Boston, MA, 02115, USA  
ccr@hms.harvard.edu  
SO Journal of Biological Chemistry, (August 1 2003) Vol. 278, No. 31, pp. 29098-29105. print.  
CODEN: JBCHA3. ISSN: 0021-9258.  
DT Article  
LA English  
ED Entered STN: 24 Sep 2003  
Last Updated on STN: 24 Sep 2003

L10 ANSWER 4 OF 28 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN  
AN 2003:396068 BIOSIS  
DN PREV200300396068  
TI Properties of bacteriophage T4 proteins deficient in replication repair.  
AU Kadyrov, Farid A.; Drake, John W. [Reprint Author]  
CS Laboratory of Molecular Genetics, NIEHS, National Institutes Health, E3-01, Research Triangle Park, NC, 27709-2233, USA  
drake@niehs.nih.gov  
SO Journal of Biological Chemistry, (July 4, 2003) Vol. 278, No. 27, pp. 25247-25255. print.  
CODEN: JBCHA3. ISSN: 0021-9258.  
DT Article  
LA English  
ED Entered STN: 27 Aug 2003  
Last Updated on STN: 27 Aug 2003

L10 ANSWER 5 OF 28 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN  
AN 2003:375077 BIOSIS  
DN PREV200300375077  
TI A covalent linkage between the gene 5 DNA polymerase of bacteriophage T7 and Escherichia coli thioredoxin, the processivity factor. Fate of thioredoxin during DNA synthesis.

AU Johnson, Donald E.; Richardson, Charles C. [Reprint Author]  
CS Dept. of Biological Chemistry and Molecular Pharmacology, Harvard Medical  
School, 240 Longwood Ave., Boston, MA, 02115, USA  
ccr@hms.harvard.edu  
SO Journal of Biological Chemistry, (June 27, 2003) Vol. 278, No. 26, pp.  
23762-23772. print.  
CODEN: JBCHA3. ISSN: 0021-9258.  
DT Article  
LA English  
ED Entered STN: 13 Aug 2003  
Last Updated on STN: 13 Aug 2003

L10 ANSWER 6 OF 28 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN  
AN 2003:498252 BIOSIS  
DN PREV200300500336  
TI Escherichia coli **single-stranded DNA-binding protein** mediates template recycling during  
transcription by bacteriophage N4 virion RNA polymerase.  
AU Davydova, Elena K.; Rothman-Denes, Lucia B. [Reprint Author]  
CS Department of Molecular Genetics and Cell Biology, University of Chicago,  
Chicago, IL, 60637, USA  
lbrd@midway.uchicago.edu  
SO Proceedings of the National Academy of Sciences of the United States of  
America, (August 5 2003) Vol. 100, No. 16, pp. 9250-9255. print.  
ISSN: 0027-8424 (ISSN print).  
DT Article  
LA English  
ED Entered STN: 29 Oct 2003  
Last Updated on STN: 29 Oct 2003

L10 ANSWER 7 OF 28 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN  
AN 2003:345109 BIOSIS  
DN PREV200300345109  
TI The herpes simplex virus type 1 alkaline nuclease and **single-stranded DNA binding protein** mediate  
strand exchange in vitro.  
AU Reuven, Nina Bacher; Staire, Amy E.; Myers, Richard S.; Weller, Sandra K.  
[Reprint Author]  
CS Department of Microbiology, University of Connecticut Health Center, 263  
Farmington Ave., Farmington, CT, 06030-3205, USA  
weller@nso2.uchc.edu  
SO Journal of Virology, (July 2003) Vol. 77, No. 13, pp. 7425-7433. print.  
ISSN: 0022-538X (ISSN print).  
DT Article  
LA English  
ED Entered STN: 23 Jul 2003  
Last Updated on STN: 23 Jul 2003

L10 ANSWER 8 OF 28 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN  
AN 2003:180535 BIOSIS  
DN PREV200300180535  
TI The DNA binding domain of the gene 2.5 **single-stranded DNA-binding protein** of bacteriophage T7.  
AU Hyland, Edel M.; Rezende, Lisa F.; Richardson, Charles C. [Reprint Author]  
CS Dept. of Biological Chemistry and Molecular Pharmacology, Harvard Medical  
School, 240 Longwood Ave., Boston, MA, 02115, USA  
ccr@hms.harvard.edu  
SO Journal of Biological Chemistry, (February 28, 2003) Vol. 278, No. 9, pp.  
7247-7256. print.  
CODEN: JBCHA3. ISSN: 0021-9258.  
DT Article  
LA English  
ED Entered STN: 9 Apr 2003  
Last Updated on STN: 9 Apr 2003

L10 ANSWER 9 OF 28 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN  
AN 2003:148670 BIOSIS  
DN PREV200300148670  
TI Biochemical characterization of interactions between DNA polymerase and  
**single-stranded DNA-binding protein** in bacteriophage RB69.  
AU Sun, Siyang; Shamoo, Yousif [Reprint Author]  
CS Dept. of Biochemistry and Cell Biology, Rice University, 6100 S. Main St.,  
MS140, Houston, TX, 77005, USA  
Shamoo@rice.edu  
SO Journal of Biological Chemistry, (February 7, 2003) Vol. 278, No. 6, pp.  
3876-3881. print.  
CODEN: JBCHA3. ISSN: 0021-9258.  
DT Article  
LA English  
ED Entered STN: 19 Mar 2003  
Last Updated on STN: 19 Mar 2003

L10 ANSWER 10 OF 28 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN  
AN 2003:458333 BIOSIS  
DN PREV200300458333  
TI Phage N4 RNA polymerase II recruitment to DNA by a **single-  
stranded DNA-binding protein**.  
AU Carter, Richard H.; Demidenko, Alexander A.; Hattingh-Willis, Susan;  
Rothman-Denes, Lucia B. [Reprint Author]  
CS Glasgow Business Community, Dade Behring Inc., Newark, DE, 19714, USA  
lbrd@midway.uchicago.edu  
SO Genes and Development, (September 15 2003) Vol. 17, No. 18, pp. 2334-2345.  
print.  
CODEN: GEDEEP. ISSN: 0890-9369.  
DT Article  
LA English  
ED Entered STN: 8 Oct 2003  
Last Updated on STN: 8 Oct 2003

L10 ANSWER 11 OF 28 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN  
AN 2003:223672 BIOSIS  
DN PREV200300223672  
TI Kinetic regulation of single DNA molecule denaturation by T4 gene 32  
protein structural domains.  
AU Pant, Kiran; Karpel, Richard L.; Williams, Mark C. [Reprint Author]  
CS Department of Physics, Northeastern University, 111 Dana Research Center,  
Boston, MA, 02115, USA  
mark@neu.edu  
SO Journal of Molecular Biology, (28 March, 2003) Vol. 327, No. 3, pp.  
571-578. print.  
ISSN: 0022-2836 (ISSN print).  
DT Article  
LA English  
ED Entered STN: 7 May 2003  
Last Updated on STN: 7 May 2003

L10 ANSWER 12 OF 28 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN  
AN 2003:270446 BIOSIS  
DN PREV200300270446  
TI Proteins at the mitochondrial DNA replication fork: A simple harmony.  
AU Kaguni, Laurie S. [Reprint Author]; Farr, Carol L.; Matsushima, Yuichi;  
Luo, Ningguang; MacLauchlan, Kathleen M.; Kiefer, Phillip R.; Schaefer,  
Kevin T.  
CS Biochemistry and Molecular Biology, Michigan State University, 319  
Biochemistry, East Lansing, MI, 48824-1319, USA  
lskaguni@msu.edu; farrcaro@msu.edu; matsush5@msu.edu; luoningg@msu.edu;  
machlauch@msu.edu; kieferph@msu.edu; schae40@msu.edu



SO FASEB Journal, (March 2003) Vol. 17, No. 4-5, pp. Abstract No. 376.4.  
http://www.fasebj.org/. e-file.

Meeting Info.: FASEB Meeting on Experimental Biology: Translating the  
Genome. San Diego, CA, USA. April 11-15, 2003. FASEB.  
ISSN: 0892-6638 (ISSN print).

DT Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)

LA English

ED Entered STN: 11 Jun 2003

Last Updated on STN: 11 Jun 2003

L10 ANSWER 13 OF 28 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN

AN 2003:95347 BIOSIS

DN PREV200300095347

TI Essential amino acid residues in the **single-stranded**  
**DNA-binding protein** of bacteriophage T7.  
Identification of the dimer interface.

AU Rezende, Lisa F.; Hollis, Thomas; Ellenberger, Tom; Richardson, Charles C.  
[Reprint Author]

CS Dept. of Biological Chemistry and Molecular Pharmacology, Harvard Medical  
School, 240 Longwood Ave., Boston, MA, 02115, USA  
ccr@hms.harvard.edu

SO Journal of Biological Chemistry, (December 27, 2002) Vol. 277, No. 52, pp.  
50643-50653. print.

CODEN: JBCHA3. ISSN: 0021-9258.

DT Article

LA English

ED Entered STN: 12 Feb 2003

Last Updated on STN: 12 Feb 2003

L10 ANSWER 14 OF 28 CAPLUS COPYRIGHT 2003 ACS on STN

AN 2002:715712 CAPLUS

DN 138:985

TI Phylogenetic and functional analysis of the bacteriophage P1  
**single-stranded DNA-binding**  
**protein**

AU Bendtsen, Jannick Dyrlov; Nilsson, Anders S.; Lehnherr, Hansjorg

CS Center for Biological Sequence Analysis, The Technical University of  
Denmark, Lyngby, DK-2800, Den.

SO Journal of Virology (2002), 76(19), 9695-9701

CODEN: JOVIAM; ISSN: 0022-538X

PB American Society for Microbiology

DT Journal

LA English

RE.CNT 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 15 OF 28 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1999:681905 CAPLUS

DN 132:10080

TI Identification and characterization of the **single-**  
**stranded DNA-binding protein** of  
bacteriophage P1

AU Lehnherr, Hansjorg; Bendtsen, Jannick D.; Preuss, Fabian; Ilyina, Tatiana  
V.

CS Institute of Molecular Biology, University of Southern Denmark, Odense M,  
DK-5230, Den.

SO Journal of Bacteriology (1999), 181(20), 6463-6468

CODEN: JOBAAY; ISSN: 0021-9193

PB American Society for Microbiology

DT Journal

LA English

RE.CNT 61 THERE ARE 61 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 16 OF 28 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1999:199076 CAPLUS  
 DN 131:69842  
 TI Functionally Important Correlated Motions in the **Single-stranded DNA-binding Protein** Encoded  
 by Filamentous Phage Pf3  
 AU Horstink, Lennard M.; Abseher, Roger; Nilges, Michael; Hilbers, Cornelis W.  
 CS Laboratory of Biophysical Chemistry, NSR Center, University of Nijmegen, Nijmegen, 6525 ED, Neth.  
 SO Journal of Molecular Biology (1999), 287(3), 569-577  
 CODEN: JMOBAK; ISSN: 0022-2836  
 PB Academic Press  
 DT Journal  
 LA English  
 RE.CNT 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 17 OF 28 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1998:414679 CAPLUS  
 DN 129:50503  
 TI Cytoplasmic bacteriophage display system for display of specific proteins and peptides fused to the capsid protein of phage T7  
 IN Studier, F. William; Rosenberg, Alan H.  
 PA Associated Universities Inc., USA  
 SO U.S., 29 pp., Cont.-in-part of U.S. Ser. No. 664,161, abandoned.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5766905	A	19980616	US 1996-664449	19960617
PRAI	US 1996-664161		19960614		

RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 18 OF 28 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1999:35616 CAPLUS  
 DN 130:179733  
 TI Analysis of x-ray diffraction from fibers of Pfl inovirus (filamentous bacteriophage) shows that the DNA in the virion is not highly ordered  
 AU Welsh, Liam C.; Marvin, Donald A.; Perham, Richard N.  
 CS Dep. Biochem., Univ. Cambridge, Cambridge, CB2 1GA, UK  
 SO Journal of Molecular Biology (1998), 284(5), 1265-1271  
 CODEN: JMOBAK; ISSN: 0022-2836  
 PB Academic Press  
 DT Journal  
 LA English  
 RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 19 OF 28 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1998:422558 CAPLUS  
 DN 129:158124  
 TI Are there non-trivial dynamic cross-correlations in proteins?  
 AU Abseher, Roger; Nilges, Michael  
 CS European Molecular Biology Laboratory, Heidelberg, 69117, Germany  
 SO Journal of Molecular Biology (1998), 279(4), 911-920  
 CODEN: JMOBAK; ISSN: 0022-2836  
 PB Academic Press Ltd.  
 DT Journal  
 LA English

RE.CNT 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 20 OF 28 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 1998:94339 CAPLUS  
DN 128:227555  
TI Equilibrium and kinetic binding analysis of the N-terminal domain of the  
Pfl gene 5 protein and its interaction with single-stranded DNA  
AU Bogdarina, I.; Fox, D. G.; Kneale, G. G.  
CS Biophysics Laboratories, Division of Molecular and Cell Biology, School of  
Biological Science, University of Portsmouth, Portsmouth, PO1 2DT, UK  
SO Journal of Molecular Biology (1998), 275(3), 443-452  
CODEN: JMOBAK; ISSN: 0022-2836  
PB Academic Press Ltd.  
DT Journal  
LA English

RE.CNT 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 21 OF 28 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 2000:266780 CAPLUS  
DN 133:276975  
TI The lysogenic conversion genes of coliphage P2 have unusually high AT  
content  
AU Calendar, Richard; Yu, Sidney; Myung, Heejoon; Barreiro, Virginia;  
Odegrip, Richard; Carlson, Karin; Davenport, Laura; Mosig, Gisela;  
Christie, Gail E.; Haggard-Ljungquist, Elisabeth  
CS Dep. of Mol. and Cell Biol., Univ. California, Berkeley, CA, 94720, USA  
SO Horizontal Gene Transfer, [Fallen Leaf Lake Conference on Horizontal Gene  
Transfer], Fallen Leaf Lake, Calif., Sept. 12-15, 1996 (1998), Meeting  
Date 1996, 241-252. Editor(s): Syvanen, Michael; Kado, Clarence I.  
Publisher: Chapman & Hall, London, UK.  
CODEN: 68VNA4  
DT Conference  
LA English

RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 22 OF 28 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 1997:433667 CAPLUS  
DN 127:132372  
TI Refined Structure, DNA Binding Studies, and Dynamics of the Bacteriophage  
Pf3 Encoded **Single-Stranded DNA  
Binding Protein**  
AU Folmer, Rutger H. A.; Nilges, Michael; Papavoine, Christina H. M.;  
Harmsen, Ben J. M.; Konings, Ruud N. H.; Hilbers, Cornelis W.  
CS Nijmegen SON Research Center Laboratory of Biophysical Chemistry,  
University of Nijmegen, Nijmegen, 6526 ED, Neth.  
SO Biochemistry (1997), 36(30), 9120-9135  
CODEN: BICHAW; ISSN: 0006-2960  
PB American Chemical Society  
DT Journal  
LA English

L10 ANSWER 23 OF 28 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 1997:237315 CAPLUS  
DN 126:288973  
TI A novel mechanism of virus-virus interactions: bacteriophage P2 Tin  
protein inhibits phage T4 DNA synthesis by poisoning the T4 **single  
-stranded DNA binding protein,**  
gp32  
AU Mosig, Gisela; Yu, Sidney; Myung, Heejoon; Haggard-Ljungquist, Elisabeth;  
Davenport, Laura; Carlson, Karin; Calendar, Richard  
CS Department of Molecular Biology, Vanderbilt University, Nashville, TN, USA

SO Virology (1997), 230(1), 72-81  
CODEN: VIRLAX; ISSN: 0042-6822  
PB Academic  
DT Journal  
LA English

L10 ANSWER 24 OF 28 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1996:692685 CAPLUS  
DN 126:43326

TI **Single-stranded DNA binding**  
**protein** from bacteriophage cf: characterization, gene localization  
and protein-ssDNA complex

AU Chen, Wen-Ping; Cheng, Ching-Ming; Wang, Andrew H.-J.; Kuo, Tsong-Teh  
CS Institute of Molecular Biology, Academia Sinica, Nankang 115, Taipei,  
Taiwan

SO Biochimica et Biophysica Acta (1996), 1309(1-2), 147-155  
CODEN: BBACAQ; ISSN: 0006-3002

PB Elsevier  
DT Journal  
LA English

L10 ANSWER 25 OF 28 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1997:28731 CAPLUS  
DN 126:71138

TI **Single-stranded DNA-binding**  
**proteins** as transcriptional activators

AU Miller, Alita; Dai, Xing; Choi, Mieyoung; Glucksmann-Kuis, M. Alexandra;  
Rothman-Denes, Lucia B.

CS Department of Biochemistry and Molecular Biology, University of Chicago,  
Chicago, IL, 60637, USA

SO Methods in Enzymology (1996), 274(RNA Polymerase and Associated Factors,  
Part B), 9-20  
CODEN: MENZAU; ISSN: 0076-6879

PB Academic  
DT Journal  
LA English

L10 ANSWER 26 OF 28 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 1

AN 1995:820203 CAPLUS  
DN 123:221212

TI Solution structure of the **single-stranded DNA**  
**binding protein** of the filamentous **Pseudomonas**  
**phage** Pf3: similarity to other proteins binding to single-stranded  
nucleic acids

AU Folmer, R. H. A.; Nilges, M.; Konings, R. N. H.; Hilbers, C. W.  
CS Nijmegen SON Res. Cent., Univ. Nijmegen, Nijmegen, 6525ED, Neth.

SO EMBO Journal (1995), 14(17), 4132-42  
CODEN: EMJODG; ISSN: 0261-4189

PB Oxford University Press  
DT Journal  
LA English

L10 ANSWER 27 OF 28 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1994:209759 CAPLUS  
DN 120:209759

TI Nucleotide sequence determination, characterization and purification of  
the **single-stranded DNA-binding**  
**protein** and major coat protein of filamentous phage .vphi.Lf of  
Xanthomonas campestris pv. campestris

AU Wen, Fu Shyan; Tseng, Yi Hsiung

CS Dep. Bot., Natl. Chung Hsing Univ., Taichung, 402, Taiwan

SO Journal of General Virology (1994), 75(1), 15-22  
CODEN: JGVIAI; ISSN: 0022-1317

DT Journal

LA English

L10 ANSWER 28 OF 28 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 2

AN 1992:77557 CAPLUS

DN 116:77557

TI The putative **single-stranded DNA-**

**binding protein** of the filamentous bacteriophage, If1.

Amino acid sequence of the protein and structure of the gene

AU Carne, A.; Hill, D. F.; Stockwell, P. A.; Hughes, G.; Petersen, G. B.

CS Cent. Gene Res., Univ. Otago, Dunedin, N. Z.

SO Proceedings of the Royal Society of London, Series B: Biological Sciences  
(1991), 245(1312), 23-30

CODEN: PRLBA4; ISSN: 0080-4649

DT Journal

LA English

=> d his

(FILE 'HOME' ENTERED AT 11:23:12 ON 12 NOV 2003)

FILE 'CAPLUS, CABA, AGRICOLA, BIOSIS' ENTERED AT 11:23:43 ON 12 NOV 2003

L1 5870 S COLIPHAGE

L2 2525 S SINGLE STRANDED DNA BINDING PROTEIN

L3 66 S L1 AND L2

L4 3 S PLANT AND L3

L5 2 S (WHEAT OR MAIZE OR TOBACCO OR TOMATO) AND L3

L6 462 S GENE 5 PROTEIN

L7 1938 S INOVIRID?

L8 1622 S (PSEUDOMONAS PHAGE) OR (VIBRIO PHAGE) OR (XANTHOMONAS PHAGE)

L9 30 S L8 AND L2

L10 28 DUP REM L9 (2 DUPLICATES REMOVED)

L11 576214 S L10 AND WHEAT OR MAIZE OR TOBACCO OR TOMATO

L12 0 S L10 AND ( WHEAT OR MAIZE OR TOBACCO OR TOMATO)

=> s m13 gene 5 protein

L13 34 M13 GENE 5 PROTEIN

=> s plant and l13

L14 0 PLANT AND L13

=> s 16 and plant

L15 11 L6 AND PLANT

=> dup rem l15

PROCESSING COMPLETED FOR L15

L16 7 DUP REM L15 (4 DUPLICATES REMOVED)

=> d 1-7

L16 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 1

AN 2002:229820 CAPLUS

DN 136:227693

TI EST analysis in barley defines a unigene set comprising 4,000 genes

AU Michalek, W.; Weschke, W.; Pleissner, K.-P.; Graner, A.

CS Institute of Plant Genetics and Crop Plant Research (IPK), Gatersleben,  
06466, Germany

SO Theoretical and Applied Genetics (2002), 104(1), 97-103

CODEN: THAGA6; ISSN: 0040-5752

PB Springer-Verlag

DT Journal

LA English

L16 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1999:577007 CAPLUS  
 DN 131:211772  
 TI Use of single-stranded DNA-binding proteins of Inoviridae to increase  
**plant** resistance to single-stranded DNA viruses  
 IN Padidam, Malla; Beachy, Roger N.; Fauquet, Claude M.  
 PA Scripps Research Institute, USA  
 SO PCT Int. Appl., 70 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9945101	A1	19990910	WO 1999-US4716	19990303
	W:				
	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,				
	DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG,				
	KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,				
	NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,				
	UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,				
	ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,				
	CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 9928013	A1	19990920	AU 1999-28013	19990303
	AU 761598	B2	20030605		
	BR 9908492	A	20001205	BR 1999-8492	19990303
	EP 1082409	A1	20010314	EP 1999-908632	19990303
	R:				
	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				
	IE, SI, LT, LV, FI, RO				
PRAI	US 1998-76627P	A2	19980303		
	WO 1999-US4716	W	19990303		
RE.CNT	6	THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD			
		ALL CITATIONS AVAILABLE IN THE RE FORMAT			

L16 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 2  
 AN 1999:63248 CAPLUS  
 DN 130:247781  
 TI A phage single-stranded DNA (ssDNA) binding protein complements ssDNA  
 accumulation of a geminivirus and interferes with viral movement  
 AU Padidam, Malla; Beachy, Roger N.; Fauquet, Claude M.  
 CS Division of Plant Biology, The Scripps Research Institute, International  
 Laboratory for Tropical Agricultural Biotechnology (ILTAB/ORSTOM-TSRI), La  
 Jolla, CA, 92037, USA  
 SO Journal of Virology (1999), 73(2), 1609-1616  
 CODEN: JOVIAM; ISSN: 0022-538X  
 PB American Society for Microbiology  
 DT Journal  
 LA English  
 RE.CNT 53 THERE ARE 53 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1998:711831 CAPLUS  
 DN 130:105868  
 TI Gene discovery in the wood-forming tissues of poplar: analysis of 5,692  
 expressed sequence tags  
 AU Sterky, Fredrik; Regan, Sharon; Karlsson, Jan; Hertzberg, Magnus; Rohde,  
 Antje; Holmberg, Anders; Amini, Bahram; Bhalerao, Rupali; Larsson, Magnus;  
 Villarroel, Raimundo; Van Montagu, Marc; Sandberg, Goran; Olsson, Olof;  
 Teeri, Tuula T.; Boerjan, Wout; Gustafsson, Petter; Uhlen, Mathias;  
 Sundberg, Bjorn; Lundberg, Joakim  
 CS Department of Biotechnology, Kungl Tekniska Hogskolan, Royal Institute of  
 Technology, Stockholm, SE-10044, Swed.  
 SO Proceedings of the National Academy of Sciences of the United States of  
 America (1998), 95(22), 13330-13335

CODEN: PNASA6; ISSN: 0027-8424

PB National Academy of Sciences

DT Journal

LA English

RE.CNT 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

110 and WHEAT OR MAIZE OR TOBACCO OR TOMATO